

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 March 2001 (22.03.2001)

PCT

(10) International Publication Number
WO 01/20627 A1

(51) International Patent Classification⁷: H01H 9/20,
9/28, 9/16

(21) International Application Number: PCT/SE00/01754

(22) International Filing Date:
8 September 2000 (08.09.2000)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:
9903246-8 10 September 1999 (10.09.1999) SE

(71) Applicant (for all designated States except US): ABB AB
[SE/SE]; S-721 83 Västerås (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LINDER, Hans
[SE/SE]; Grottvägen 26, S-771 41 Ludvika (SE). BORG,
Ulf [SE/SE]; Saxhyttevägen 17, S-770 14 Nyhammar (SE).

(74) Agents: RILTON, Kristina et al.; AB Stockholms Patent-
byrå, Zacco & Bruhn, Box 23101, S-104 35 Stockholm
(SE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AT
(utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility
model), DK, DK (utility model), DM, DZ, EE, EE (utility
model), ES, FI, FI (utility model), GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (utility
model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT,
TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

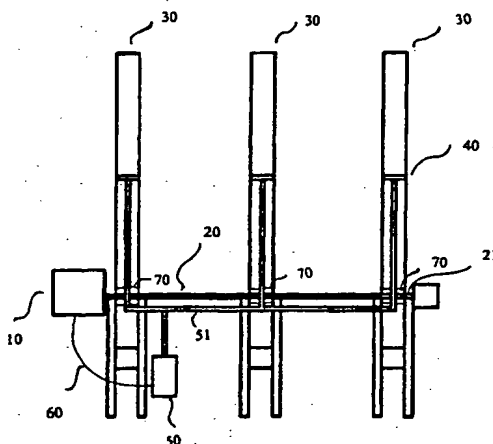
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE FOR INTERLOCKING



(57) Abstract: The present invention concerns a method and a device for interlocking a disconnecting breaker. During interlocking of a single-poled or multiple-poled disconnecting breaker, the actuator of the breaker is first interlocked both electrically and mechanically. When the breaker is in the open position, the distance between the contacts of the breaker comprises the conductor spacing for the isolation function. The electrical and mechanical interlocking of the actuator is indicated both electrically and mechanically. Subsequently, the link system of the breaker is mechanically interlocked. The link system is locked in the interlocked position. Interlocking of the link system is indicated by at least one indicator. Interlocking of the actuator of the breaker can be controlled manually via a key- and lock device, or remotely.

WO 01/20627 A1